

DETAILED ACTION

1. Claims 1 – 7, 9 – 11, 13 – 27, 30, and 33 – 35 are pending. By this examiner's amendment, claims 19 and 26 are amended and claim 33 is cancelled.

Response to Amendment

2. The Declaration filed on January 28, 2010 under 37 CFR 1.131 has been considered but is ineffective to overcome the Albornoz et al. (U.S. Publication No. US2005/0154978) reference.

3. The evidence submitted is insufficient to establish a conception of the invention prior to the effective date of the Albornoz et al. reference. While conception is the mental part of the inventive act, it must be capable of proof, such as by demonstrative evidence or by a complete disclosure to another. Conception is more than a vague idea of how to solve a problem. The requisite means themselves and their interaction must also be comprehended. See *Mergenthaler v. Scudder*, 1897 C.D. 724, 81 O.G. 1417 (D.C. Cir. 1897). The evidence submitted only provides a brief summary of the invention and does not provide a showing of facts that establish conception of the invention including the key features cited in the independent claims.

EXAMINER'S AMENDMENT

4. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided

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by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Kasey Christie (Registration No. 40,559) on April 21, 2010.

The application has been amended as follows:

- a. Cancel claim 33; and
- b. Amend claims 19 and 26 according to the following:

19. **(Currently Amended)** At least one computer-readable storage medium having computer executable instructions that provide a method for receiving a package representing a computer-readable object transmitted across a remote boundary, the method comprising:

receiving a serialized package from a remote entity;

identifying a hierarchy of sub-components, the hierarchy representing an object of a first type;

for each sub-component:

identifying a type associated with the sub-component;

determining whether the identified type is within a list of known object types, wherein the list of known object types has been negotiated with the remote entity before receiving the serialized package from the remote entity, and

wherein:

in an event that a version of a list of object types available to the remote entity is less recent than a version of a list of object types available to a client that receives the serialized package from the remote entity, the list of known object is [[a]] the list of object types available to the remote entity if a version of a list of object types available to the remote entity is less recent than a version of a list of object types available to a client that receives the serialized package from the remote entity;

in an event that the version of the list of object types available to the remote entity is more recent than the version of the list of object types available to the client that receives the serialized package from the remote entity, the list of known object is the list of object types available to the client that receives the serialized package from the remote entity;

responding to the determining, wherein the responding comprises instantiating a first object of the type and populating at least one property of the first object with information obtained from within the serialized package, wherein the instantiating and populating are performed when the identified type is within the list of known object types; and

when the identified type is an unknown object type, responding to the determining, wherein the responding comprises instantiating a second object and populating at least one property of the second object with information obtained from within the serialized package.

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26. **(Currently Amended)** A system that communicates objects across a remote boundary, comprising:

a processor;

a memory, the memory being allocated for a plurality of computer-executable instructions which are loaded into the memory for execution by the processor, the computer-executable instructions providing a method for communicating objects across the remote boundary, the method comprising:

negotiating with a remote entity to determine a list of known objects, the negotiating comprising:

comparing a version of a first list of object types available to the remote entity with a version of a second list of object types available to a client that intends to transmit a computer-readable object to the remote entity;

in an event that the version of the second list of object types is more recent than the version of the first list of object types, selecting the first list of object types to be the negotiated list of known objects; and

in an event that the version of the first list of object types is more recent than the version of the second list of object types, selecting the second list of object types to be the negotiated list of known objects;

decomposing the computer-readable object into multiple sub-components, including dividing the multiple sub-components into a hierarchy;

creating a property bag in the hierarchy for holding information of the computer-readable object;

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in an event that a first sub-component of the multiple sub-components is included in the negotiated list of known objects, directly serializing the first sub-component without including any executable code of the first sub-component;

in an event that a second sub-component of the multiple sub-components is not included in the negotiated list of known objects, creating a sub-property bag within the property bag for the second sub-component to form a hierarchical tree of property bags and recursively serializing properties of the second sub-component, wherein the hierarchical tree of property bags is limited by at least one act selected from the group consisting of:

specifying a maximum depth of the hierarchical tree of property bags,

supporting only certain object types and forcing object types that are

derived from the certain object types to conform to respective types;

serializing the multiple sub-components and the property bag into a serialized package; and

transmitting the serialized package to the remote entity.

REASONS FOR ALLOWANCE

5. The following is an examiner's statement of reasons for allowance: The prior art of record, specifically U.S. Patent Application Publication No. 2004/0039964 [Russell et al.], U.S. Patent Application Publication No. 2003/0191803 [Chinnici et al.], U.S. Patent Application Publication No. 2003/0182308 [Ernst et al.], and U.S. Patent Application

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Publication No. 2005/0154978 [Albornoz et al.], does not expressly teach or render obvious the invention as recited in independent claims 1, 19 and 26.

The prior art teaches decomposing an object of the computer-readable objects and being of a known object type [Russell: p. 5, paragraph 0063] into multiple sub-components [Russell: p. 6, paragraph 0080] including dividing the multiple sub-components into a hierarchy based upon the negotiated list of known object types [Russell: p. 6, paragraph 0080], decomposing another of the computer readable objects [Russell: paragraph 0073] and being of an unknown object type [Russell: paragraph 0073], keeping a property of the object of the unknown object type as a property bag [Russell: paragraph 0036, 0065]; serializing the multiple sub-components and the property bag into a serialized package [Russell: p. 4, paragraph 0057]; negotiating with a remote entity to determine which object types are known by the remote entity in order to determine a list of known objects [Chinnici: paragraphs 0119, 0133, 0134, 0137, and 0144].

However, the prior art does not teach **“negotiating with a remote entity to determine a list of known objects, the negotiating comprising: comparing a version of a first list of object types available to the remote entity with a version of a second list of object types available to a client that intends to transmit a computer-readable object to the remote entity; in an event that the version of the second list of object types is more recent than the version of the first list of object types, selecting the first list of object types to be the negotiated list of known objects; and in an event that the version of the first list of object types is**

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more recent than the version of the second list of object types, selecting the second list of object types to be the negotiated list of known objects” (as recited in the context of claims 1 and 26) or **“in an event that a version of a list of object types available to the remote entity is less recent than a version of a list of object types available to a client that receives the serialized package from the remote entity, the list of known object is the list of object types available to the remote entity; in an event that the version of the list of object types available to the remote entity is more recent than the version of the list of object types available to the client that receives the serialized package from the remote entity, the list of known object is the list of object types available to the client that receives the serialized package from the remote entity”** (as recited in the context of claim 19).

In addition, it is not believed to have been within the level of one of ordinary skill in the art at the time of the invention to modify or integrate the systems of the prior art to incorporate the allowable features identified above.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled “Comments on Statement of Reasons for Allowance.”

CONTACT INFORMATION

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to LI B. ZHEN whose telephone number is (571)272-3768. The examiner can normally be reached on Mon - Fri, 8:30am - 5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hyung Sub Sough can be reached on 571-272-6799. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Li B. Zhen/
Primary Examiner, Art Unit 2194